

PATENT COOPERATION TREATY
PCT
INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

RECEIVED
20 FEB 2003

Applicant's or agent's file reference 11569MET/MAS:NAM:sc	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/AU02/01504	International filing date (day/month/year) 11 November 2002	(Earliest) Priority Date (day/month/year) 19 November 2001
Applicant METAL STORM LIMITED et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2 ☐ Certain claims were found unsearchable (See Box I).

3 ☐ Unity of invention is lacking (See Box II).

4 With regard to the title, ☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5 With regard to the abstract, ☒ the text is approved as submitted by the applicant

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6 The figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ None of the figures

☐ because the applicant failed to suggest a figure

☐ because this figure better characterizes the invention

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU02/01504

A. CLASSIFICATION OF SUBJECT MATTERInt. Cl. ⁷: F41F 1/10; F41A 9/72, 9/79; F42B 39/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

AU: IPC F41A 9/72, 9/79; F41F 1/10; F42B 39/26

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI: Q79/DC and keywords such as belt, gun, sleeve and similar terms.

USPTO: Sub-Class 89/33.25 and keywords sleeve, tube;

Class 102 with keywords such as bullet, cartridge, cooling, breech and similar terms.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AU 200059526 A (METAL STORM LTD) 5 February 2001 Whole document	1-13, 18, 19, 21, 25-34
Y	US 5036611 A (SCHMID) 6 August 1991 Figure 4	1-13, 18, 19, 21, 25-34
Y	US 4452123 A (HOLTROP et al) 5 June 1984 Whole document	1-13, 18, 19, 21, 25-34

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

Special categories of cited documents:

document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
14 February 2003

Date of mailing of the international search report

20 FEB 2003

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

JEFFREY CARL

Telephone No : (02) 6283 2543

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU02/01504

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3429220 A (GOODE) 25 February 1969 Whole document	1-13, 18, 19, 21, 25-34
Y	FR 2278052 A (SOCIETE EUROPEENE DE PROPULSION) 6 February 1976 Whole document	1-13, 18, 19, 21, 25-34
A	US 2979991 A (BUSCHERS et al) 18 April 1961	
NOTE: For the 'Y' indications, FR 2278052 can be combined with any one of the remaining documents.		

Information on patent family members

PCT/AU02/01504

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
AU	200059526	BR	200012083
EP	1196731	WO	01/06197
US	5036611	EP	422401
JP	3-134497		
US	4452123	NONE	
US	3429220	BE	688027
CH	499088		
FR	2278052	NONE	